

## EWWP-KBW1N

				EWWP014KBW1N	EWWP022KBW1N	EWWP028KBW1N	EWWP035KBW1N
Cooling capacity	Nom.		kW	12.9	21.4	27.8	32.3
Heating capacity	Nom.		kW	16.7	27.5	35.6	41.5
Power input	Cooling	Nom.	kW	3.75	6.13	7.85	9.12
	Heating	Nom.	kW	3.75	6.13	7.85	9.12
EER				3.44	3.49	3.54	3.54
COP				4.45	4.49	4.54	4.55
Dimensions	Unit	Height	mm	600	600	600	600
		Width	mm	600	600	600	600
		Depth	mm	600	600	600	600
Weight	Unit		kg	118	155	165	172
Water heat exchanger - evaporator	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Minimum water volume in the system		l	62	103	134	155
	Water flow rate	Min.	l/min	31	53	65	76
		Nom.	l/min	37	61	80	93
		Max.	l/min	74	123	159	185
Water heat exchanger - condenser	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Water flow rate	Min.	l/min	24	39	51	59
		Nom.	l/min	48	78	102	118
		Max.	l/min	95	157	203	237
Compressor	Type			Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Quantity			1	1	1	1
Sound power level	Cooling	Nom.	dBA	64	64	64	71

Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10	-10	-10
			Max.	°CDB	20	20	20	20
	Condenser	Cooling	Min.	°CDB	20	20	20	20
			Max.	°CDB	55	55	55	55
Refrigerant	Type				R-407C	R-407C	R-407C	R-407C
	Charge			kg	1.2	2	2.5	3.1
	Control				Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve
	Circuits	Quantity			1	1	1	1
Piping connections	Evaporator water drain				Field installation	Field installation	Field installation	Field installation
	Condenser water drain				Field installation	Field installation	Field installation	Field installation
Power supply	Name				W1	W1	W1	W1
	Phase				3N~	3N~	3N~	3N~
	Frequency			Hz	50	50	50	50
	Voltage			V	400	400	400	400
Notes					Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C
					Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C
					Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C
					Power input is total	Power input is total	Power input is total	Power input is total

				input according to EN14511:2011	input according to EN14511:2011	input according to EN14511:2011	input according to EN14511:2011
				A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.
				The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614

				EWHP035KBW1N	EWHP045KBW1N	EWHP055KBW1N	EWHP065KBW1N
Cooling capacity	Nom.		kW	32.3	42.8	55.7	64.7
Heating capacity	Nom.		kW	41.5	55.0	71.7	83.0
Power input	Cooling	Nom.	kW	9.12	12.2	16.0	18.2
	Heating	Nom.	kW	9.12	12.2	16.0	18.2
EER				3.54	3.51	3.48	3.55
COP				4.55	4.51	4.48	4.56
Dimensions	Unit	Height	mm	600	600	600	600
		Width	mm	600	600	600	600
		Depth	mm	600	1,200	1,200	1,200
Weight	Unit		kg	172	300	320	334
Water heat exchanger - evaporator	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Minimum water volume in the system		l	155	205	268	311
	Water flow	Min.	l/min	76	101	131	152

	rate							
		Nom.		l/min	93	123	160	185
		Max.		l/min	185	245	319	371
Water heat exchanger - condenser	Type				Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Water flow rate	Min.		l/min	59	79	102	118
		Nom.		l/min	118	157	205	237
		Max.		l/min	237	314	410	474
Compressor	Type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Quantity				1	2	2	2
Sound power level	Cooling	Nom.		dBA	71	67	67	74
Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10	-10	-10
			Max.	°CDB	20	20	20	20
	Condenser	Cooling	Min.	°CDB	20	20	20	20
			Max.	°CDB	55	55	55	55
Refrigerant	Type				R-407C	R-407C	R-407C	R-407C
	Charge			kg	3.1	4.6	4.6	5.6
	Control				Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve
	Circuits	Quantity			1	2	2	2
Piping connections	Evaporator water drain				Field installation	Field installation	Field installation	Field installation
	Condenser water drain				Field installation	Field installation	Field installation	Field installation
Power supply	Name				W1	W1	W1	W1
	Phase				3N~	3N~	3N~	3N~
	Frequency			Hz	50	50	50	50
	Voltage			V	400	400	400	400
Notes					Cooling capacity is according to	Cooling capacity is according to	Cooling capacity is according to	Cooling capacity is according to

			EN14511:2011 and valid for chilled water range Dt = 3~8°C	EN14511:2011 and valid for chilled water range Dt = 3~8°C	EN14511:2011 and valid for chilled water range Dt = 3~8°C	EN14511:2011 and valid for chilled water range Dt = 3~8°C
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			Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C
			Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011
			A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.
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			EWWP090KBW1N	EWWP100KBW1N	EWWP110KBW1N	EWWP120KBW1N
Cooling capacity	Nom.	kW	85.7	98.6	112	121
Heating capacity	Nom.	kW	110	127	143	155

Power input	Cooling	Nom.	kW	24.2	28.0	31.9	34.0
	Heating	Nom.	kW	24.2	28.0	31.9	34.0
EER				3.54	3.52	3.51	3.56
COP				4.55	4.54	4.48	4.56
Dimensions	Unit	Height	mm	1,200	1,200	1,200	1,200
		Width	mm	600	600	600	600
		Depth	mm	1,200	1,200	1,200	1,200
Weight	Unit		kg	600	620	640	654
Water heat exchanger - evaporator	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Minimum water volume in the system		l	205	268	268	311
	Water flow rate	Min.	l/min	202	232	262	283
		Nom.	l/min	246	283	321	347
		Max.	l/min	491	565	642	694
Water heat exchanger - condenser	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Water flow rate	Min.	l/min	157	181	205	221
		Nom.	l/min	314	362	410	442
		Max.	l/min	629	724	819	883
Compressor	Type			Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Quantity			4	2	4	2
Sound power level	Cooling	Nom.	dBA	71	71	71	75
Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10	-10
			Max.	°CDB	20	20	20
	Condenser	Cooling	Min.	°CDB	20	20	20
			Max.	°CDB	55	55	55
Refrigerant	Type			R-407C	R-407C	R-407C	R-407C

	Control		Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve
	Circuits	Quantity	4	4	4	4
Refrigerant circuit	Charge	kg	9.2	9.2	9.2	10.2
Piping connections	Evaporator water drain		Field installation	Field installation	Field installation	Field installation
	Condenser water drain		Field installation	Field installation	Field installation	Field installation
Power supply	Name		W1	W1	W1	W1
	Phase		3N~	3N~	3N~	3N~
	Frequency	Hz	50	50	50	50
	Voltage	V	400	400	400	400
Notes			Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C
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				evaporator side. Min. water volume system applicable at nominal conditions.	evaporator side. Min. water volume system applicable at nominal conditions.	evaporator side. Min. water volume system applicable at nominal conditions.	evaporator side. Min. water volume system applicable at nominal conditions.
				The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614

				EWWP130KBW1N	EWWP145KBW1N	EWWP155KBW1N	EWWP165KBW1N
Cooling capacity	Nom.		kW	130	141	154	167
Heating capacity	Nom.		kW	166	182	198	215
Power input	Cooling	Nom.	kW	36.2	40.2	43.9	47.7
	Heating	Nom.	kW	36.2	40.2	43.9	47.7
EER				3.59	3.51	3.51	3.50
COP				4.59	4.53	4.51	4.51
Dimensions	Unit	Height	mm	1,200	1,800	1,800	1,800
		Width	mm	600	600	600	600
		Depth	mm	1,200	1,200	1,200	1,200
Weight	Unit		kg	668	920	940	960
Water heat exchanger - evaporator	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate
	Minimum water volume in the system		l	311	205	205	268
	Water flow rate	Min.	l/min	304	333	363	393
		Nom.	l/min	373	404	441	479
		Max.	l/min	745	808	883	957
Water heat exchanger - condenser	Type			Brazed plate	Brazed plate	Brazed plate	Brazed plate

	Water flow rate	Min.		l/min	237	260	283	307
		Nom.		l/min	474	519	567	614
		Max.		l/min	948	1,038	1,133	1,229
Compressor	Type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Quantity				4	4	4	6
Sound power level	Cooling	Nom.		dBA	77	73	73	73
Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10	-10	-10
			Max.	°CDB	20	20	20	20
	Condenser	Cooling	Min.	°CDB	20	20	20	20
			Max.	°CDB	55	55	55	55
Refrigerant	Type				R-407C	R-407C	R-407C	R-407C
	Control				Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve
	Circuits	Quantity			4	6	6	6
Refrigerant circuit	Charge			kg	11.2	13.8	13.8	13.8
Piping connections	Evaporator water drain				Field installation	Field installation	Field installation	Field installation
	Condenser water drain				Field installation	Field installation	Field installation	Field installation
Power supply	Name				W1	W1	W1	W1
	Phase				3N~	3N~	3N~	3N~
	Frequency			Hz	50	50	50	50
	Voltage			V	400	400	400	400
Notes					Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C
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				water range Dt = 3~8°C	water range Dt = 3~8°C	water range Dt = 3~8°C	water range Dt = 3~8°C
				Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C
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				A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condensor. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.
				The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614

				EWWP175KBW1N	EWWP185KBW1N	EWWP195KBW1N
Cooling capacity	Nom.		kW	176	185	194
Heating capacity	Nom.		kW	226	237	249
Power input	Cooling	Nom.	kW	49.8	52.0	54.1
	Heating	Nom.	kW	49.8	52.0	54.1
EER				3.53	3.56	3.59
COP				4.54	4.56	4.60
Dimensions	Unit	Height	mm	1,800	1,800	1,800

		Width	mm	600	600	600
		Depth	mm	1,200	1,200	1,200
Weight	Unit		kg	974	988	1,002
Water heat exchanger - evaporator	Type			Brazed plate	Brazed plate	Brazed plate
	Minimum water volume in the system		l	268	268	311
	Water flow rate	Min.	l/min	414	435	456
		Nom.	l/min	505	530	556
		Max.	l/min	1,009	1,061	1,112
Water heat exchanger - condenser	Type			Brazed plate	Brazed plate	Brazed plate
	Water flow rate	Min.	l/min	323	339	355
		Nom.	l/min	647	679	711
		Max.	l/min	1,293	1,357	1,422
Compressor	Type			Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Quantity			4	4	6
Sound power level	Cooling	Nom.	dB(A)	76	78	79
Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10
			Max.	°CDB	20	20
	Condenser	Cooling	Min.	°CDB	20	20
			Max.	°CDB	55	55
Refrigerant	Type			R-407C	R-407C	R-407C
	Control			Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve
	Circuits	Quantity		6	6	6
Refrigerant circuit	Charge		kg	14.8	15.8	16.8
Piping	Evaporator water drain			Field installation	Field installation	Field installation

connections				
	Condenser water drain		Field installation	Field installation
Power supply	Name		W1	W1
	Phase		3N~	3N~
	Frequency	Hz	50	50
	Voltage	V	400	400
Notes			Cooling capacity is according to EN14511:2011 and valid for chilled water range $\Delta t = 3\sim 8^{\circ}\text{C}$	Cooling capacity is according to EN14511:2011 and valid for chilled water range $\Delta t = 3\sim 8^{\circ}\text{C}$
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			Nominal cooling capacities are based on the following conditions. Evaporator: $12^{\circ}\text{C}/7^{\circ}\text{C}$ ; condenser: $30^{\circ}\text{C}/35^{\circ}\text{C}$	Nominal cooling capacities are based on the following conditions. Evaporator: $12^{\circ}\text{C}/7^{\circ}\text{C}$ ; condenser: $30^{\circ}\text{C}/35^{\circ}\text{C}$
			Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011
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